

IN THE CLAIMS:

1. (Currently Amended) An apparatus, comprising:
at least one sensor to monitor at least one detectable condition, the at least one detectable condition including at least one of an impact associated with the apparatus and a centrifugal force associated with the apparatus;
at least one output device to provide at least one perceivable condition, the at least one output device including at least one LED-based light source configured to generate variable color light; and
at least one controller configured to control the at least one output device based at least in part on the at least one detectable condition.
2. (Original) The apparatus of claim 1, wherein the apparatus is configured as a toy.
3. (Currently Amended) The apparatus of claim 1, wherein the at least one detectable condition ~~is related to one of a motion and an impact associated with the apparatus, and wherein the at least one sensor is configured to monitor at least one parameter associated with the at least one of the motion and the impact~~ includes the centrifugal force associated with the apparatus.
4. (Currently Amended) The apparatus of claim [[3]] 1, wherein the at least one perceivable condition is related to ~~one of~~ a lighting effect and a sound effect, and wherein the at least one output device further ~~includes at least one of at least one light source and at least one sound generator.~~
5. (Currently Amended) The apparatus of claim 4, wherein the at least one ~~output device~~ includes the at least one light source and the at least one sound generator is configured to generate a plurality of different sound effects.

6. (Currently Amended) The apparatus of claim 5, wherein the ~~at least one light source includes~~ at least one LED-based light source is configured to generate a plurality of different lighting effects.
7. (Original) The apparatus of claim 6, wherein the apparatus is configured as a toy.
8. (Currently Amended) A method for enhancing interactivity with a toy or consumer product, comprising acts of:
- A) monitoring at least one detectable condition associated with the toy or consumer product;
 - B) providing ~~at least one of~~ a plurality of different perceivable condition lighting conditions from the toy or consumer product; and
 - C) providing a plurality of different sounds from the toy or consumer product; and
 - D) ~~controlling the at least one~~ plurality of different perceivable condition based at least in part on the at least one detectable condition lighting conditions and the plurality of different sounds, so as to provide at least one first sound of the plurality of different sounds and at least one first lighting condition of the plurality of different lighting conditions, based at least in part on the at least one detectable condition.
9. (Currently Amended) The method of claim 8, wherein the at least one detectable condition ~~is related to one of~~ includes at least one of a motion and , an impact associated ~~with the toy or consumer product~~ , a centrifugal force, a spin, an inertial force, a velocity, an acceleration, a sound, a light, and a temperature, and wherein the act A) includes an act of:
- monitoring at least one parameter associated with the at least one ~~of the motion and the impact~~ detectable condition.
10. (Currently Amended) The method of claim [[9]] 8, wherein the at least one ~~perceivable condition is related to one of a lighting effect and a sound effect, and wherein the act C) includes an act of:~~

~~controlling at least one of the lighting effect and the sound effect based at least in part on the at least one detectable condition~~ includes a plurality of degrees of at least one continuously measurable condition.

11. (Currently Amended) The method of claim 10, wherein the ~~act C) includes an act of controlling both the lighting effect and the sound effect based at least in part on the at least one detectable condition~~ at least one continuously measurable condition includes at least one of an intensity of force, an intensity of pressure, a measure of velocity, a measure of acceleration, an intensity of light, a volume of sound, and a measure of temperature.

12. (Currently Amended) The method of claim ~~11~~ 8, wherein the ~~act B) includes an act of generating at least one lighting effect using at least one LED-based light source~~ the at least one first sound is representative of a falling bomb, at least one second sound of the plurality of sounds is representative of an explosion, and wherein the act D) includes the act of controlling the plurality of different sounds so as to provide the first sound when a motion is detected and to provide the second sound when an impact is detected after the motion.

13. (Currently Amended) A toy, comprising:
at least one LED-based light source configured to provide multicolored illumination;
at least one sound generating device; and
at least one controller configured to control the at least one LED-based light source and the at least one sound generating device to provide at least one coordinated sound and lighting effect based at least in part on at least one detectable condition, the at least one detectable condition including at least one of an impact and a centrifugal force.

14. (Currently Amended) The toy of claim 13, further comprising at least one sensor to monitor the at least one detectable condition, ~~wherein the at least one controller is configured to control the at least one LED-based light source and the at least one sound generating device based at least in part on the at least one detectable condition.~~

15. (New) The apparatus of claim 1, wherein the at least one detectable condition includes the impact associated with the apparatus.
16. (New) The apparatus of claim 15, wherein the at least one detectable condition further includes a motion associated with the apparatus.
17. (New) The apparatus of claim 16, wherein the at least one perceivable condition includes a first sound representative of a falling bomb when the sensor detects the motion and wherein the at least one perceivable condition includes a second sound representative of an explosion when the sensor detects the impact after detecting the motion.
18. (New) The apparatus of claim 1, wherein the at least one sensor includes at least one three way motion detector.
19. (New) An apparatus, comprising:
at least one sound generating device;
at least one LED-based light source;
at least one microprocessor configured to control the sound generating device to generate a plurality of different sounds and to control the LED-based light source to generate a plurality of different lighting conditions; and
at least one sensor configured to measure at least one detectable condition,
wherein the microprocessor is further configured to control the sound generating device to generate at least one first sound of the plurality of different sounds and control the LED-based light source to generate at least one first lighting condition of the plurality of different lighting conditions based at least in part on the detectable condition.
20. (New) The apparatus of claim 19 wherein the at least one detectable condition includes at least one of a motion, an impact, a centrifugal force, a spin, an inertial force, a velocity, an acceleration, a sound, and a light.

21. (New) The apparatus of claim 20 where the at least one detectable condition includes a plurality of detectable conditions.

22. (New) The apparatus of claim 21, wherein the first sound is representative of a falling bomb, a second sound of the plurality of sounds is representative of an explosion, and the microprocessor is further configured to control the sound generating device to generate the first sound when the sensor detects the motion and to generate the second sound when the sensor detects the impact after the motion.

23. (New) The apparatus of claim 19 wherein the apparatus is configured as a toy.

24. (New) The apparatus of claim 19 wherein the at least one sensor includes at least one three way motion detector.

25. (New) The apparatus of claim 19 wherein the at least one detectable condition includes a plurality of degrees of a continuously measurable condition.

26. (New) The apparatus of claim 25 wherein the continuously measurable condition includes at least one of an intensity of force, an intensity of pressure, a measure of velocity, a measure of acceleration, an intensity of light, a volume of sound, and a measure of temperature.